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APPLICANT : ASAHI CHEM IND CO LTD;

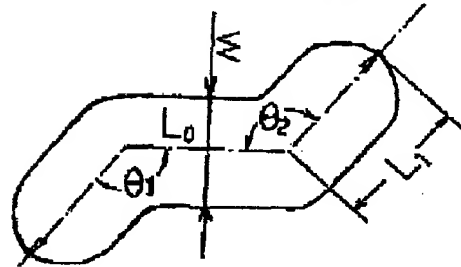
INVENTOR : HIROSE TAKEO;

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TITLE : POLYAMIDE MODIFIED CROSS
SECTION FIBER



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ABSTRACT : PURPOSE: To obtain a polyamide modified cross section fiber having delicate glossiness and appropriate harshness while holding soft feeling and useful for stockings, etc., by specifying a single fiber fineness and the shape of cross section of a fiber.

CONSTITUTION: This fiber has a single fiber fineness of 0.5-7 denier and the cross section of the fiber is a flat type having a center axis bent at two points in opposite directions. Because of these features, the fiber is provided with water suction properties attributable to capillarity. The bending angles θ_1 and θ_2 are each 90-160 degree, and the ratio of the length L_0 of the bent center axis to the width W of a flat cross section L_0/W is 3-6 and the ratio of the length of each bent part at both the ends to that of the central axis L_1/L_0 is 0.2-0.4.

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